

RECEIVED

JUN 25 2001

1632

TECH CENTER 1600/2900

#11
6-26-01
P.2.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/464,767

DATE: 06/01/2001

TIME: 09:34:55

ENTERED

Input Set : A:\50179-073.ST25.txt

Output Set: C:\CRF3\06012001\I464767.raw

3 <110> APPLICANT: Both, Gerald
 4 Boyle, David
 5 Vрати, Sudhanshu
 7 <120> TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a
 Viral Vector
 9 <130> FILE REFERENCE: 50179-073
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/464,767
 C--> 11 <141> CURRENT FILING DATE: 1999-12-16
 11 <160> NUMBER OF SEQ ID NOS: 3
 13 <170> SOFTWARE: PatentIn version 3.0
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 29544
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Ovine adenovirus
 20 <400> SEQUENCE: 1

21	ctattcatat	atataacggt	gcacagaggc	ggggcgtgtg	ggttttttat	tgttttattgt	60
23	catggaat	acaaagaagt	aagttgttgg	atcttttattc	acaattcctt	taacaatgac	120
25	ttttttactt	attacatttt	tcattctttt	tacttcacat	gatattttac	ttaaattttg	180
27	tacatacaag	ccaaaattcg	cataaaatgt	cttactttta	aaagttaa	ttttttttta	240
29	acgcataaat	ggacgtacag	cagcaattgg	aatagcagga	agggccattg	taaagtgtgt	300
31	tcctgctgat	gcccgtgcag	aaaggataga	tgctatcgta	cgcataaacc	cccctcctat	360
33	ttgttcatct	gctgctttta	ttatatcttc	tgccaatcta	ggtgatattt	gcttttgaat	420
35	gctgtttcca	aaagcttgca	tcattcggtt	ttcaattaaa	tggattggat	ttgcagaatt	480
37	tcctaaaaaa	tagcccaacc	catctaaagc	agttaaaagt	attctccctc	caggaaccac	540
39	agataataatt	aagcggagca	accgagaggt	taaattccag	ggctcctccg	agagagtatc	600
41	taggatcagg	ccaagaagt	aaccaaaaag	acttgtaagt	agaagttgtc	tgatatgctt	660
43	tggagaggac	tgtaaaaatt	gcaaaacggt	atctaattgac	catttcttct	ttacttttac	720
45	atctgtatca	tgttctccat	cagaaggtct	tattgggaag	taccattggg	cacgagcatc	780
47	tttgaagact	tctgtttctt	gaaattctgt	tttcggtaag	cgactagcag	ttatgggtatt	840
49	aggaatattg	acggtaattg	tattcacatc	tacaatttct	ggaggaatcc	atcttgcata	900
51	ggatgaaatg	ggttttgtgg	gttctttcaa	tatataattg	cgaggagggt	ttttccaaaa	960
53	tctctgaaca	taagtatttt	ctgattttgg	cggttttttg	cttttttcgcg	ctctttttct	1020
55	tggctttggg	ctttgaaatt	ttttcttctt	ttttctgtag	gctcctcctg	ctaaagctgt	1080
57	gttattttgtg	acgtacatcc	tggttagctac	acgattttcc	cggactgcaa	atttttttgc	1140
59	caaatggaaa	agaaattgct	gaaaccttct	attaatcata	taaattgtca	gtggaatcat	1200
61	gaatcagata	gtgcaggatt	ttttcttttt	gatactgata	atttatacta	ttatgtattg	1260
63	gatcaagtgt	cttggtatag	tttaagagat	ataactcttc	attgtgatcg	catgtgggta	1320
65	gcggtttgtt	tttggtttgtg	caaattctaaa	tttgatgtac	acaatattct	agcgggagta	1380
67	catgttatgt	aatgaaaatg	acgtcgggga	ttgaatggat	tgagccttat	ttgacatttt	1440
69	tctgtgattt	ttttgcctta	ttaggaaata	aatttgtggc	gccagtacga	tggagattgg	1500
71	aatgactctt	gcattttacg	aaaggaattt	gtactgtggt	ttgcttgact	ttaatttaag	1560
73	atgggtatcag	cagatatatta	accaaatatg	gattaagcca	aatttatggg	ctttctctga	1620
75	ttttttaaaa	aaaatggcct	ttattttatgc	tagcgacttg	gcggttgtaa	attctttacat	1680
77	ccctggtaat	gtttgtaaca	aacttgatat	catcaagaaa	gatcttctctg	aagatttttac	1740
79	cgtgtctatg	ttttgtgtct	tagtgtgttg	gcttgcttct	ttctgtaaaag	gttctaattt	1800
81	agctgaaact	cgccagaatt	gtcacgcggt	aagcaaat	ctggcacaac	tatcaaaatt	1860
83	aataaaaacc	taatttttag	tttgtaaaaa	tagaattcaa	atttttaacg	ccacaatgac	1920
85	ttcggcgag	ttttctgttg	aatttcctta	tgtttctaag	ccaattgttc	catggcctgc	1980

RAW SEQUENCE LISTING

DATE: 06/01/2001

PATENT APPLICATION: US/09/464,767

TIME: 09:34:55

Input Set : A:\50179-073.ST25.txt

Output Set: C:\CRF3\06012001\I464767.raw

87	ttcggcatct	tctaataatt	catcgagtca	gaatattgac	tttcctgttc	ttaaaccaga	2040		
89	tcaagatcca	atagccttct	ttcaaaactaa	caatacggct	tacttacaac	ctggagctac	2100		
91	ttattactgg	aagtgtatcg	aactgtcaaa	gcctattcac	atttacggtc	aaggagctac	2160		
93	agtacaactt	gtcggacctg	gacctgtgtt	tgttttcaac	agtgaaagtg	ttattcctga	2220		
95	agattttttac	gtcgtgtttg	aaaatatcaa	ctttattgaa	gatgaatttc	ctattagaag	2280		
97	tggccagtta	agtttaggac	ttacaactca	cagtgtctga	tggtttatca	atgtatggaa	2340		
99	aacttcaata	gtcaattgta	actttaaaaa	ttttagggga	gcggctcttt	ggtattcaga	2400		
101	taatagaaat	ttttggaatg	cgagaaaatg	gaatcagcag	catttagttt	caaattgtcg	2460		
103	ttttaatggt	tgtagaattg	gaattttctaa	tactggttca	tctgaatatt	ccatagccag	2520		
105	tcaaaatcaa	ttttatgatt	gtcaaactcg	ttttaatgta	accgggggta	attggtctag	2580		
107	aaataataat	gttattgtta	actgtagatg	tgcttatctg	catgttggag	ataacatgtg	2640		
109	gtatgaaggc	cattccgaaa	ataataatcc	cgctaagggt	actttctgca	ataacataat	2700		
111	taaccatgct	gataacggag	gcaatgtctg	gcctactcag	tttaaaactta	cagatggatc	2760		
113	aacgatacag	ttagcatcat	tttattttga	tgataatcaa	gaaattccac	cttgttatag	2820		
115	cggtaattht	cattggtttg	gagatgtaaa	cattgtaaat	ttttctacca	caaaaattga	2880		
117	taaatggtgc	attactggat	gtaattttcta	tggtaatata	catgcagcta	acgatgctgg	2940		
119	tcaagttcag	gttgctgaag	ctgtaaaaga	caaagtgttt	attattgggt	gttctggtaa	3000		
121	taatgtaacc	atgaaaaata	ttgtagaagg	taacatgact	ccaaaaattg	gtacaataaa	3060		
123	gtaaaaaact	ttttattcaa	aacaaaactg	atttacattt	aaacgtttta	catattgatt	3120		
125	ctgcgtataa	gttctttttc	taaacactct	tctaattttc	atacatgctt	gataaaaacaa	3180		
127	actttgtaaa	ttcataaata	taggtttgac	ttgatcagaa	ggtgaataat	agctccatct	3240		
129	aaatgattcg	gtaataggaa	cattattata	tattaaccag	ctatattht	agttaactct	3300		
131	tgcatgatcc	actatatctt	taagtacagg	gataagtgc	ctcggaatc	caaaagaata	3360		
133	gtttttaata	aatctattta	tctgtgaaga	atcaagctgc	ggactaataa	catgacattt	3420		
135	tgattgaatt	tttaaatcct	taatattht	tctatcatga	cgcggttca	tattatgtaa	3480		
137	aactactaca	acagtgtaac	cattacattt	ggcaaatcta	ttaaaaattt	ttgacggtaa	3540		
139	agcatgaaag	aaagaactta	tagaatgaca	tgatcccaat	tgattcatac	attcatctat	3600		
141	tataatacag	atagatcctt	cacttgcagc	tctgcagaat	atattatctg	gattatcaat	3660		
143	atttagatta	gtatcggaaa	tagcatcttt	gaaagcta	tgataaaat	ttggatttaa	3720		
145	tgthttttgt	agtggattag	agaatgcac	gtagtttct	tcaacacact	gtgctttcca	3780		
147	cgcaattht	tcttcta	atg	gaacagta	ctt	tttctgga	gttatgaaa	aaattgtttc	3840
149	tggtattgga	tcaattagtt	ttccagatat	aatatttctt	ataaattgag	attttccgct	3900		
151	acctgtgggt	ccatatacag	taacaatgaa	tggttgta	at	ccgcagttta	aactgggtat	3960	
153	acagccatct	tttaacagat	tgtgagcctc	atttacagtt	ttttgataat	ttacagcaat	4020		
155	attgtgtaaa	tcagtcataa	gttgaccatg	atacatat	ttatcaaaaa	cttcttgact	4080		
157	ttctggaaat	ggattttctgc	aaatagaagg	atctatcttt	acaacatcat	ttttccaatt	4140		
159	taatgtgtca	cttaaaaaatt	ttcccaaaaa	ggattttctg	tcaatggttc	ttgcggtctt	4200		
161	ggatttgggt	gtctcttgtc	gtacgggtaa	agtaagtatc	ctttcttcca	ctggatccct	4260		
163	ttcctcatcg	tttgatcctt	ccaagggtct	agaattctgg	ttagttgctt	ctctaccacc	4320		
165	gtgaatggta	catcggttcc	acttgcggtt	tgcagtgtct	tttttaaact	tttctctgat	4380		
167	gtctgaaact	ctttctgtgg	ttgttcta	aaattatagt	cagtaaaaca	atgttttaga	4440		
169	atttcatagt	ttaaacaatt	tttagcatga	cctttggctc	ttaattht	ttctccaata	4500		
171	aatttacagt	ttttacaagt	tatgtcttht	aaagcatata	atttaggagc	taaaatacat	4560		
173	gtttctgaac	tgaatgcttc	agctccgcaa	cgggttacaaa	cagtttcgca	ttcaaccaac	4620		
175	caagtttagac	atggatgttt	ttcatcaaa	attaaatttg	agttatattt	tttaagtcta	4680		
177	tgtaatcctt	ttgataacat	gagttgggtg	cccttht	ttagaataa	cgagtctgta	4740		
179	tcaccataaa	tacttht	ctcccttht	atgtaagggt	taccataatc	ttcccatat	4800		
181	aaaatttht	ctcactcact	catgaaagct	ctggtccaag	ccagcacaaa	ggatgctatc	4860		
183	tgagttggat	atcggttggt	cttgatccat	tcttcttat	cctcaatagt	tgthaaaatt	4920		

RAW SEQUENCE LISTING

DATE: 06/01/2001

PATENT APPLICATION: US/09/464,767

TIME: 09:34:55

Input Set : A:\50179-073.ST25.txt

Output Set: C:\CRF3\06012001\I464767.raw

185	aatcattac	aatcagcaga	taaaaaagtt	ataggcttaa	aagtcacgtg	atcttgattt	4980
187	cctataaaaa	gtggaaaatt	aaaattttca	tttgtgtctt	tggaatcttt	gggcggcatt	5040
189	tcaggtaggt	ttgaaaaata	ctgattccac	tcaaatgaac	gttttggtaa	tgatttacta	5100
191	atcacagttg	tgtatgatgt	aatttcagct	gatccatttt	ctaatacttt	tttatctttc	5160
193	tcttcaatat	tttcagcaaa	cactactttc	tttttatcta	tacgggtagc	aaacgaacca	5220
195	tataaagcat	ttgataacaa	tttacttata	cttcgctgaa	tcttggtgtt	acttttactt	5280
197	gctttttctt	tagccataat	atttactttc	acataatttt	gacataacgg	tttccagtca	5340
199	ctccatacag	catacatttc	agagcttttg	attattttgc	atttccatcc	tctattgtgt	5400
201	aaggtgatta	aatcgataga	ggtcagtact	tcatttatca	atgtttcatt	tgaccagcat	5460
203	aactttccac	tttttttaga	acataatgga	ggtaacacat	caagataatc	taatgatggg	5520
205	ggttcacaa	cggctaccac	aatcataggt	ttgattgaat	tgtcaaaaata	atctattttt	5580
207	tcttttcttt	gtagtagttc	ttgaaagtaa	tctattttgt	cattggcttc	aaaagcattt	5640
209	aaagtttttc	catatggaag	tggatgcggt	aaggcactag	catacattcc	gcagatatca	5700
211	tacacatata	ttgcttcttc	aaatattcct	aaaaatgaag	gataacatct	tcctcctctt	5760
213	aaactcattc	taacaaaatc	atacattttt	tctgatggag	cttccaaatt	tcttaggaat	5820
215	tcagagggat	gatcttcttc	attataaaa	atttgtttaa	acaatgcttg	agtattacta	5880
217	ctaattgtag	gacgttgga	tatattaaaa	gaacactcaa	gctttaaaga	tggtgtacag	5940
219	aactcttgat	aaccttctat	aagtttttca	actaattgag	ccgtaactat	aacatcatca	6000
221	atacaatact	ccttagcttc	ctctaataag	ttgtattttt	ggttgtgttt	tggtttgttt	6060
223	tgtaaaattt	cttcaaatga	attccaatat	ttttgaactg	gataaccatt	gttttctttt	6120
225	tcatattctc	ccaacataaa	aaaatcattg	attgccctgt	aaggacaata	acctttgcta	6180
227	acactcaact	gatatgcagt	agcagcgtct	cttaagaag	agtgggttaa	caaaaatgta	6240
229	tccctaacca	taaattttat	accttgccat	ttcatactct	caaaattaat	aattccattt	6300
231	ttccatcttt	cataagttgt	atgtgaaggt	ttcttaaagc	aaggatttgg	aagagataat	6360
233	gtaatatcat	taaataacag	ttttccagca	cgaggcataa	agcttcttgt	cagcttaaac	6420
235	attgaaagtt	cttcaactgc	tattccttct	aatacatgac	ttgcaagtat	gatttcatca	6480
237	aaaccacaga	tattatgacc	tactacatat	aattcaatat	atcttggttc	gcactgtttt	6540
239	aatttttttt	ctttatttaa	gaccatgatg	tcttcatatg	ataaatttga	ttcaagacca	6600
241	tgattttcac	aaaacgttga	ccagtatttt	ttagctactg	aaattttagt	ctctgttctg	6660
243	aattttttta	aagctatgcc	aatttcatct	tcttttttat	ttaacattac	aaaacattct	6720
245	ctgtttacct	cataacctat	atcggtagct	atttttagaag	caatttttat	gagtgtatta	6780
247	catccaatta	acttaaaaa	caacaagtaa	ggagttaact	gttttccata	caaagaatgg	6840
249	taagtatatg	tttcaatatc	ataaacaata	aaaagacggt	ttgcttttat	ggctccaact	6900
251	ggattaaatt	tgattttttc	ccaccagagt	ttgttttcat	ggtgaatatt	gtgataatag	6960
253	aagtcccgct	ttctggatga	gcagtttgtg	atattactat	aaattgttcc	gcagaattca	7020
255	cattttattct	gttgtttaac	agtttttatt	aaatatattt	ctccttttaa	aatcaataat	7080
257	tctattggta	acaaatttcc	attagaat	tcttcagtca	tcttaaaaaa	tcttttgttg	7140
259	aacttccata	tttttaaga	tacgggggtg	ttagaatcac	aaagttttta	aacatctaaa	7200
261	acatttttcta	ctttcttgaa	agaattta	tttaaacctt	gaattgcaa	gtaattataa	7260
263	aaactttttt	caaaattctt	gtagtatata	atttttatat	atgtatcctc	atatattcca	7320
265	gtaatatag	tagtagttct	ttgctttatt	attgtctttg	aagccatctg	tttaaagccg	7380
267	cttcccgtag	tcgctcaaag	cttcttaaaa	caacttcatt	tgtactatag	ccaacaattc	7440
269	cagacaattt	tattctaaat	gctatttcaa	ctgaatctaa	atctgaaaaa	tccgtgttta	7500
271	cttgggtgat	tacttcttct	atgctccac	tgtcttctac	gaagtctata	tcttgaagta	7560
273	attgggtctct	ttcttctgga	gttgaaaaag	agtaagatct	ttcattagct	tctataattc	7620
275	ctaaaaaatc	acgagttatt	ctgctatata	gttgcttgaa	tgcttgtgtt	tctctattaa	7680
277	accaaactct	agtaaatata	tcttctccat	tttcatttct	acctctta	ataatttgaa	7740
279	caaattggat	tccaatattt	ctggcagcta	acctattttg	cactaaattt	aagtataagt	7800
281	aatatagcgt	gcttgccaca	tgctctaata	taaagaaata	cactaacat	ttttgaataa	7860

RAW SEQUENCE LISTING

DATE: 06/01/2001

PATENT APPLICATION: US/09/464,767

TIME: 09:34:55

Input Set : A:\50179-073.ST25.txt

Output Set: C:\CRF3\06012001\I464767.raw

283	aatcatcagt	caatctat	ttt	tcattata	aaa	atctaata	ag	taattgaaa	aattcacttc	7920
285	cgtaattaaa	aaaattactc	cttcttgctt	caggagttaa	ttcttcttct	aaat	tttgaa		7980	
287	ttaaatctac	tattgaagct	atcacttcat	cattaaattc	ttccctactc	agatcgcttg		8040		
289	agctcggctc	gcgatctgaa	aatccttcat	cttctat	ttc	aggaacagta	agaggagaa	8100		
291	tagaagtttc	ttcaacattc	cttacccttt	ggcgtctatt	aacaggtaat	ctatcaataa		8160		
293	atcttctgat	tacatcaccc	cttgaacgtc	tcattat	ttc	agtaatagct	ctataat	8220		
295	ccctaggtct	taatctgaat	ggtaatccta	ctcttgctcc	tgaccttaaa	gttaatgctc		8280		
297	caccatgcat	gccacctttt	cctaaagtta	atacagttgc	taaatctttt	aaattaattc		8340		
299	gattttcagc	ttctggaatt	tccagctgtg	aaaattcatc	tataaaaagc	tcaatccaga		8400		
301	attcagaaaa	aggtaagtct	aatatacatt	cactattatg	catgttagac	aaaattaaaa		8460		
303	atttacataa	agctttttta	attttacaaa	ttaactttat	aaggtaagta	ttcctttctt		8520		
305	gcaaatttaa	aaccataaaa	gcttgagaaa	aaggttgata	atgctgctga	aaagatctat		8580		
307	tctgattttg	agctgaaata	gcggagccaa	aaccttgcat	gtctgcaagt	tgacagactcc		8640		
309	ctaataattct	atccattaaa	accgcgtttt	gaatttgact	aattgtttgt	gaaaaat		8700		
311	ctacattttg	aattgctctc	atatatgacc	cagtat	ttat	ggagtatgaa	caatcagtta	8760		
313	aaatttgcca	ggatcatgct	ctctcaaaac	ttataggtga	aagatacaac	ttatatgaaa		8820		
315	tggttgctgta	agtccgctga	tcaaacagat	actggtttaa	aactcgccgc	acataaaaa		8880		
317	acccaattaa	taaatttggt	ggaggttctc	cttcaaattg	tggttggtgaa	gtaacaggtc		8940		
319	ctcttgggcg	taaatcgagt	aattgagtc	ctggataatt	aaaaaatcga	ttagcccatt		9000		
321	ttattccctt	ttcatgtata	gtccttgacc	tggcaataact	tcgattatta	aggtcaagt		9060		
323	ttaaacgtaa	atatcgtaag	gtatgttgac	tttgcccagt	gagttgttgc	cattggtgaa		9120		
325	tctgcaaggc	aaacaaaaaa	tttatcttat	tactgcagat	gcacccatt	ttacaaaatt		9180		
327	tacgttcac	attggaaact	ccagacttat	caagcaactc	cccgggcacg	tcaataaaaa		9240		
329	atgaaaaaga	tgaatttgaa	ccagcagttg	gcatttctag	caaaccatct	gatgaattta		9300		
331	atatgagacg	atctcaaaga	gatgataatt	tacctaaaag	tcagatacca	gtagtagata		9360		
333	tactacatga	taaaaatcct	aaaatggcag	aagaacgaga	cttaatgtat	aaatcttctg		9420		
335	cttgcataaa	acttgatgat	tctaaacaat	taaaaactga	tatgttcagg	ccggattttg		9480		
337	ctggaactag	tccagctcaa	agacacatag	aagccgcaga	gctaaaagaga	aatggatctt		9540		
339	atactcgtag	tttagaacia	tggacacatg	attcttttat	aagtcattgt	aaacaattac		9600		
341	tttctagacc	atttatatct	ctaggtatta	catatttgga	tgattttttg	cagacttatt		9660		
343	tagatcatac	tgaatcgtct	tctttaaact	ttcaactgtt	tactttaata	aatcactgtt		9720		
345	cagaaaatac	tttaaaacgg	attttaaact	acatttctaa	aaaaaatgaa	aaaaatcaat		9780		
347	atgtaaataca	atggttgatt	gatctcatta	catgtatata	tctaattata	agagatgaa		9840		
349	aaaatgttac	agaacaagtt	aatgcccttt	tagtaactag	taatcactta	gctttacatt		9900		
351	ttgcaaagaa	agctacaggt	ggattctatc	ctacagcaga	caagtttagcg	aagactcata		9960		
353	tttttttcaa	gagaataatt	tttaggaatac	tttcgctagc	agaaagtata	ggttgctata		10020		
355	ctgtgaatcc	atattgcaaa	aatcctttga	aaaagtcaaa	agtagaagta	gaaccaagt		10080		
357	acgaaatgta	tatgttcagc	ttaaaagggtg	cacttgaaca	tcctgattcc	gacgaagacg		10140		
359	aagacagtgg	acttcaaaat	gaataattat	cataaatgga	cttctaattgt	tatagatgca		10200		
361	attctatcaa	acaaagctct	tttagctata	aaaattttta	aagtcaaccg	tttgcaaa		10260		
363	aattgaatgc	tttagaatca	gcagttgtgc	ctccaagaaa	agatgatact	cctgaaatga		10320		
365	tagcaaactc	tttaaaagaa	ttagttgctt	tgggagctat	tcgcagtgat	gaagttggcc		10380		
367	cattatattc	tgaccttctt	atcagagttc	acaaatataa	tagcttgaat	gttcaatcaa		10440		
369	atttgcaaac	tttaacagga	gacattaaat	cacttcaatc	cgatataatt	agaagttccg		10500		
371	atattcccaa	tttaagtaat	caagttgttt	taaatacatt	tttaaatctt	ttgccctcaa		10560		
373	ctgttacatt	tggacaacat	aattatgaag	cttttaacaa	aactctaaga	ttatttggtta		10620		
375	atgagacacc	taatattaca	gttttttagat	caggaaatga	tactttaatt	caggttaaca		10680		
377	taacaggaat	tcatacaatt	aatttgaatg	atgcatttaa	aaatttataa	aat		10740		
379	gaatagtatt	aacaggtgaa	tttattccag	gtgatattac	aagcagacta	acagctaata		10800		

RAW SEQUENCE LISTING

DATE: 06/01/2001

PATENT APPLICATION: US/09/464,767

TIME: 09:34:55

Input Set : A:\50179-073.ST25.txt

Output Set: C:\CRF3\06012001\I464767.raw

381	caagagtact	gctttat	cttgc	ttacaa	taata	acacct	10860
383	cttttctagc	tttactc	aaattat	gattgac	ttcttct	ttagatt	10920
385	aagaagaaac	tgaagct	gtagaaa	tagctca	aatagga	actagt	10980
387	atttttacaaa	gactttag	tatctatt	aaaacaa	agaatc	tcgcct	11040
389	aatcattatc	tcctagaca	ctgggtat	taaggtt	acagaaa	ctggtag	11100
391	aaattgtag	aaataat	gatccat	atgcttt	aactttat	tattcat	11160
393	ctccgtcatt	ttatgagg	aatgggc	ttattag	gttaata	tatatg	11220
395	ttgccttacg	taattctc	acttact	gagaaa	ctccaac	tattgg	11280
397	cacccaattc	attttgga	caaaatt	cagactt	ttcggaa	aaagaaa	11340
399	aaaatttcga	aacatttg	ccgcgga	ttccttt	aatctct	gaagaag	11400
401	tcccgcatc	agaagatt	cagtcag	tctcgcc	tatgggc	acttcac	11460
403	ctgctccttc	tgtgtcag	tacagtag	tgcctcg	agctttt	cctctca	11520
405	aacgtatcca	agagagc	tcaaagg	tcatccc	tttgacag	tatgtcg	11580
407	aacaaatagg	tgaaact	ttccctg	gtggagat	tgtagcac	gctgcgt	11640
409	tagttgcagc	acaattgg	gattcaag	ttaataac	aagacaa	ttgaaag	11700
411	cagccagaaa	gcgtcac	tatgttag	agatgcata	tatttct	aaagagt	11760
413	atgcttctaa	tgatacgg	atatcac	tgattgg	tggttcg	actgaaa	11820
415	gttttgaata	tttgagac	aaaggtg	attattt	ctaataa	tcataac	11880
417	cctgacgggc	ggtcatc	ttttatt	tgcaaaa	tgtacct	ccacga	11940
419	ttgctccaac	agagggt	aacagtat	cttatac	tctggca	ctgcaag	12000
421	caacaaaagt	attcttt	gacaata	cttcggac	tgaaagt	aactttac	12060
423	ataatcacag	taactttt	acaaat	ttcaaat	tgatttg	gcggatg	12120
425	cagcaacgca	agatatt	ctggatg	gatctag	gggcggt	ctgaaa	12180
427	ttataaaaac	aaattgccc	aatgttt	aattttt	cagtaat	tttctag	12240
429	gattaatggt	agataaaa	gatccaga	atcctaa	cgaatgg	caaattac	12300
431	ttcctgaagg	caattac	ggaagcga	ttatagat	acttaac	ggtattt	12360
433	acaattactt	agaagtgg	cgccaaaa	gagtagaa	tgaagac	ggagttaa	12420
435	ttgatacaag	agattttt	cttgga	atcctga	gggacta	actccag	12480
437	aatatacata	taaagctt	catccaga	ttatctt	acctga	ggcgtag	12540
439	ttacatat	tagaatta	aatatgt	gtataaga	gagattt	tatactaa	12600
441	gatttcaaat	tttatac	gatttgac	agggaa	ctctcc	ctgaatt	12660
443	ataactatcc	tcattct	gaacctg	tgcaagac	aaatgg	agctata	12720
445	tagaaaaaat	aagtgaca	ccccccag	ggcaacaa	gtacag	tggaact	12780
447	gttataaaaa	taatggag	gctaaag	taactgt	aactgtt	gacataa	12840
449	gaggattagg	tcaaattt	tggtca	cagatact	taaagca	attactt	12900
451	ctaacaatac	tacaaag	gaaacact	caattgt	attacat	tttcctt	12960
453	aagcagggtt	agttcata	ataaatg	tttattc	acttttg	caaattac	13020
455	atacaactca	agtattca	agatttc	aaaatg	actaatg	ccacctta	13080
457	gcaccgtaac	atggata	gaaaatg	cctttgt	agatcac	attcagcc	13140
459	taaaaaacag	ccttacag	gtacaaag	ttactata	agacgac	aggagat	13200
461	gtccatacat	acagaaat	ttggcgac	ttgtccct	agtactt	agtgtac	13260
463	ttcagtaaca	atctggct	tatctctg	ccttatc	ctggaac	tatgtct	13320
465	ttagttagtc	cctctgata	taccgggt	ggtattg	catcaag	gagggct	13380
467	ggcttgaaat	tttctaaaa	acaacct	agagtgc	cttattac	agctcag	13440
469	ggacagctta	atgctcgt	ttcacttg	aaactaaa	ccaaatt	atattat	13500
471	aaattgtaca	gggacag	aaaaagaa	acagttgt	caaagaaa	gaggtcac	13560
473	acatctcctg	cggatcg	taaaaaat	cttaaag	tcagtcaa	caaagctt	13620
475	aatagagcta	gaagagc	ccaataa	ttatttt	cttgca	aaggtag	13680
477	acgtgcttaa	atctcct	cgctgaag	atacacg	ttacaaaa	ctaaaaaa	13740

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/464,767

DATE: 06/01/2001

TIME: 09:34:56

Input Set : A:\50179-073.ST25.txt

Output Set: C:\CRF3\06012001\I464767.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date